WHITING REFINERY EMERGENCY RESPONSE
WHITING, LAKE COUNTY, ILLINOIS
DATA VALIDATION REPORT

Date: April 22, 2014
Laboratory: ALS Environmental (ALS), Holland, Michigan
Laboratory Project #: 1404532
Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)
Weston Analytical Work Order #/TDD #: 20405.016.005.2311.77/ S05-0005-1403-009

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for one soil sample collected for the Whiting Refinery Emergency Response Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Total Petroleum Hydrocarbons (TPH) as Oil Range Organics (ORO), Diesel Range Organics (DRO), and Oil Range Organics (ORO) by SW-846 Method 8015
- Dry Bulk Density and Wet Bulk Density by ASTM D5057-90
- Percent Moisture by Standard Method (SM) 2540
- Moisture by Volume by SM 2540

A level II data package was requested from ALS. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Whiting Refinery Emergency Response Site
ALS Environmental
Laboratory Project #: 1404532

TPH AS ORO, DRO, AND ORO BY SW-846 METHOD 8015

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
WCR-Soil01-040814	1404532-01	Soil	4/8/2014	4/11/2014	4/11/2014 – 4/12/2014

2. Holding Times

The samples were analyzed within holding times for TPH analyses.

3. Blanks

Method blanks were analyzed with the TPH analyses and were free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site specific MS and MSD were analyzed. The percent recoveries and relative percent differences (RPD) were within QC limits except for as follows. For DRO, the MS recovery was 1.4 percent below the QC limit but the MSD was within QC limits. No qualification was applied for this minor discrepancy.

7. Overall Assessment

The TPH data are acceptable for use based on the information received.

Data Validation Report
Whiting Refinery Emergency Response Site
ALS Environmental
Laboratory Project #: 1404532

GENERAL CHEMISTRY PARAMETERS (Dry Bulk Density and Wet Bulk Density by ASTM D5057-90, Percent Moisture by SM 2540, and Moisture by Volume by SM 2540)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
WCR-Soil01-040814	1404532-01	Soil	4/8/2014	4/10/2014 – 4/16/2014

2. Holding Times

The samples were analyzed within an acceptable time frame.

3. Blank Results

A method blank was analyzed with the moisture analysis and moisture was not detected in the blank.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. Laboratory Duplicate Results

The laboratory duplicate RPDs were within QC limits.

6. Overall Assessment

The general chemistry data are acceptable for use based on the information received.

ATTACHMENT

ALS ENVIRONMENTAL
RESULTS SUMMARY

17-Apr-2014

Lisa Graczyk
Weston Solutions, Inc
20 North Wacker Drive
Suite 1210
Chicago, IL 60606

Re: **Whiting Crude Release** Work Order: **1404532**

Dear Lisa,

ALS Environmental received 1 sample on 09-Apr-2014 for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 12.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Tom Beamish

Tom Beamish
Senior Project Manager

Certificate No: MN 532786

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

ALS Group USA, Corp

Date: 17-Apr-14

Client: Weston Solutions, Inc
Project: Whiting Crude Release
Work Order: **1404532**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1404532-01	WCR-Soil01-040814	Soil		04/08/14 11:10	04/09/14 09:30	☐

ALS Group USA, Corp

Date: 17-Apr-14

Client: Weston Solutions, Inc
Project: Whiting Crude Release
WorkOrder: **1404532**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
lbs/ft3	Pounds per Cubic Foot
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Group USA, Corp

Date: 17-Apr-14

Client: Weston Solutions, Inc
Project: Whiting Crude Release
Work Order: 1404532

Case Narrative

QC Comments:

Batch 57444, Method DRO_8015C_S, Sample 1404532-01A MS: The matrix spike recovery was outside of the control limit. However, the matrix spike duplicate recovery and the RPD between the MS and MSD were in control. No qualification is required.

ALS Group USA, Corp

Date: *17-Apr-14*

Client: Weston Solutions, Inc
Project: Whiting Crude Release
Sample ID: WCR-Soil01-040814
Collection Date: 04/08/14 11:10 AM

Work Order: 1404532
Lab ID: 1404532-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 4/11/14	Analyst: **IT**
DRO (C10-C28)	**1,100**		**49**	**mg/Kg-dry**	10	04/12/14 01:54 AM
ORO (C28-C40)	**670**		**49**	**mg/Kg-dry**	10	04/12/14 01:54 AM
Surr: 4-Terphenyl-d14	*93.6*		*39-115*	*%REC*	10	04/12/14 01:54 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**		Prep: SW5035 / 4/11/14	Analyst: **IT**
GRO (C6-C10)	**57**		**3.0**	**mg/Kg-dry**	1	04/11/14 04:09 PM
Surr: Toluene-d8	*108*		*50-150*	*%REC*	1	04/11/14 04:09 PM
DENSITY - BULK			**D5057-90**			Analyst: **MB**
Density - Bulk, Dry	**68**			**lbs/ft3**	1	04/16/14 02:00 PM
Density - Bulk, Wet	**73**			**lbs/ft3**	1	04/16/14 02:00 PM
MOISTURE			**A2540 G**			Analyst: **AT**
Moisture	**16**		**0.050**	**% of sample**	1	04/10/14 02:36 PM
MOISTURE BY VOLUME			**A2540 G**			Analyst: **AT**
Moisture, by Volume	**8.1**			**% of sample**	1	04/14/14 06:02 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 17-Apr-14

Client: Weston Solutions, Inc

QC BATCH REPORT

Work Order: 1404532

Project: Whiting Crude Release

Batch ID: **57444** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-57444-57444** Units: **mg/Kg** Analysis Date: **04/11/14 11:55 PM**

Client ID: Run ID: **GC8_140411A** SeqNo: **2710165** Prep Date: **04/11/14** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
ORO (C28-C40)	ND	4.2								
Surr: 4-Terphenyl-d14	*1.263*	0	*1.667*	0	*75.8*	*39-115*	0			

LCS Sample ID: **DLCSS1-57444-57444** Units: **mg/Kg** Analysis Date: **04/12/14 12:25 PM**

Client ID: Run ID: **GC8_140411A** SeqNo: **2710168** Prep Date: **04/11/14** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	157	4.2	166.7	0	94.2	49-124	0			
ORO (C28-C40)	161.3	4.2	166.7	0	96.8	60-130	0			
Surr: 4-Terphenyl-d14	*1.453*	0	*1.667*	0	*87.2*	*39-115*	0			

MS Sample ID: **1404532-01A MS** Units: **mg/Kg** Analysis Date: **04/12/14 12:54 PM**

Client ID: **WCR-Soil01-040814** Run ID: **GC8_140411A** SeqNo: **2710169** Prep Date: **04/11/14** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	1120	120	476.6	893	47.6	49-130	0			S
ORO (C28-C40)	969.5	120	476.6	561.7	85.6	60-130	0			
Surr: 4-Terphenyl-d14	*3.489*	0	*4.766*	0	*73.2*	*39-115*	0			

MSD Sample ID: **1404532-01A MSD** Units: **mg/Kg** Analysis Date: **04/12/14 01:24 AM**

Client ID: **WCR-Soil01-040814** Run ID: **GC8_140411A** SeqNo: **2710170** Prep Date: **04/11/14** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	1388	120	463.1	893	107	49-130	1120	21.4	30	
ORO (C28-C40)	1091	120	463.1	561.7	114	60-130	969.5	11.8	30	
Surr: 4-Terphenyl-d14	*3.603*	0	*4.631*	0	*77.8*	*39-115*	3.489	*3.21*	*30*	

The following samples were analyzed in this batch: 1404532-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Weston Solutions, Inc
Work Order: 1404532
Project: Whiting Crude Release

QC BATCH REPORT

Batch ID: **57453** Instrument ID **GC9** Method: **SW8015**

MBLK Sample ID: **MBLK-57453-57453** Units: **µg/Kg** Analysis Date: **04/11/14 02:48 PM**
Client ID: Run ID: **GC9_140411A** SeqNo: **2708647** Prep Date: **04/11/14** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	2,500								
Surr: Toluene-d8	*5222*	0	*5000*	0	*104*	*50-150*	0			

LCS Sample ID: **LCS-57453-57453** Units: **µg/Kg** Analysis Date: **04/11/14 02:21 PM**
Client ID: Run ID: **GC9_140411A** SeqNo: **2708645** Prep Date: **04/11/14** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	499100	2,500	500000	0	99.8	70-130	0			
Surr: Toluene-d8	*4442*	0	*5000*	0	*88.8*	*50-150*	0			

MS Sample ID: **1404555-22A MS** Units: **µg/Kg** Analysis Date: **04/11/14 09:41 PM**
Client ID: Run ID: **GC9_140411A** SeqNo: **2710400** Prep Date: **04/11/14** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	442600	2,500	500000	0	88.5	70-130	0			
Surr: Toluene-d8	*4364*	0	*5000*	0	*87.3*	*50-150*	0			

MSD Sample ID: **1404555-22A MSD** Units: **µg/Kg** Analysis Date: **04/11/14 10:07 PM**
Client ID: Run ID: **GC9_140411A** SeqNo: **2710401** Prep Date: **04/11/14** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	510000	2,500	500000	0	102	70-130	442600	14.2	30	
Surr: Toluene-d8	*5226*	0	*5000*	0	*105*	*50-150*	4364	*18*	*30*	

The following samples were analyzed in this batch: 1404532-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Weston Solutions, Inc
Work Order: 1404532
Project: Whiting Crude Release

QC BATCH REPORT

Batch ID: **R138766** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R138766** Units: **% of sample** Analysis Date: **04/10/14 02:36 PM**
Client ID: Run ID: **MOIST_140410E** SeqNo: **2708414** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

LCS Sample ID: **LCS-R138766** Units: **% of sample** Analysis Date: **04/10/14 02:36 PM**
Client ID: Run ID: **MOIST_140410E** SeqNo: **2708413** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1404513-03A DUP** Units: **% of sample** Analysis Date: **04/10/14 02:36 PM**
Client ID: Run ID: **MOIST_140410E** SeqNo: **2708395** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	12.61	0.050	0	0	0	0-0	13.14	4.12	20	

DUP Sample ID: **1404534-02B DUP** Units: **% of sample** Analysis Date: **04/10/14 02:36 PM**
Client ID: Run ID: **MOIST_140410E** SeqNo: **2708401** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	14.95	0.050	0	0	0	0-0	14.98	0.2	20	

The following samples were analyzed in this batch: 1404532-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Weston Solutions, Inc
Work Order: 1404532
Project: Whiting Crude Release

QC BATCH REPORT

Batch ID: **R138992** Instrument ID **WETCHEM** Method: **A2540 G**

DUP	Sample ID: **1404532-01A DUP**			Units: **% of sample**		Analysis Date: **04/14/14 06:02 PM**			
Client ID: **WCR-Soil01-040814**		Run ID: **WETCHEM_140414R**		SeqNo: **2714612**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture, by Volume	9.474	0	0	0	0		8.064	16.1	20	

The following samples were analyzed in this batch: 1404532-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Middletown, PA +1 717 944 5541
Spring City, PA +1 610 948 4903
Salt Lake City, UT +1 801 266 7700
South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

Page 1 of 1

COC ID: 85375

ALS Project Manager: TBB

ALS Work Order #: 1404532

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	WHITING CRUDE RELEASE	A	GRO, DRO, ORO
Work Order		Project Number		B	VOLUMETRIC MOISTURE
Company Name	Weston Solutions, Inc	Bill To Company	Weston Solutions, Inc	C	DRY BULK DENSITY
Send Report To	Lisa Graczyk	Invoice Attn	Lisa Graczyk	D	WET BULK DENSITY
Address	20 North Wacker Drive Suite 1210	Address	20 North Wacker Drive Suite 1210	E	
City/State/Zip	Chicago, IL 60606	City/State/Zip	Chicago, IL 60606	F	
Phone	(312) 424-3300	Phone	(312) 424-3300	G	
Fax	(312) 424-3330	Fax	(312) 424-3330	H	
e-Mail Address		e-Mail Address		I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WCR-SoilO1-040814	4/8/14	11:10	Soil	None	2	X	X	X	X							
2	NO ADDITIONAL																
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: JEFF BRYNIARSKI

Shipment Method: NA

Required Turnaround Time: (Check Box) ☒ Std 10 WK Days ☐ 5 WK Days ☐ Other ☐ 2 WK Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date: 4/8/14	Time: 12:17	Received by:	Notes:
Relinquished by:	Date: 4/8/14	Time: 1600	Received by (Laboratory): FEDEX	
Logged by (Laboratory): KR	Date: 4/9/14	Time: 1090	Checked by (Laboratory): TBB	

Cooler ID	Cooler Temp.
	2.4°C

QC Package: (Check One Box Below)

- ☑ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☐ TRRP CheckList
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

From: (219) 405-5409
Pete Wesson
ALS Environmental
3352 128th Ave

HOLLAND, MI 49424

Origin ID: GRRA

FedEx Express

J14101402070326

Ship Date: 08APR14
ActWgt: 60.0 LB
CAD: 2264840/INET3490

Dims: 14 X 26 X 15 IN

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (616) 399-6070

BILL SENDER

Sample Receiving
ALS Environmental
3352 128TH AVE

HOLLAND, MI 49424

WED - 09 APR AA
STANDARD OVERNIGHT

TRK# 0201 7984 8398 9483

68 GRRA

49424
MI-US
GRR

522G1/78D9/F220

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
Tel. +1 616 399 6070
Fax. +1 616 399 6186

CUSTODY SEAL

Date:
Time:
Name:
Company:

Seal Broken By:
Date:

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **WESTON - CHI** Date/Time Received: **09-Apr-14 09:30**

Work Order: **1404532** Received by: **KRW**

Checklist completed by Diane Shaw (eSignature) 10-Apr-14 (Date) Reviewed by: Tom Bramish (eSignature) 10-Apr-14 (Date)

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.4 c		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	4/10/2014 2:18:34 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: